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Environmental
Cleanup Office

5129 N. Shirley St. Suite 100, Ruston, WA 98407

December 15, 2010

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 174, November 2010
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,

Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay



Monthly Report 174, November 2010

Operable Unit 02

Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Met with EPA on November 12 for coordination meeting..
2. Completed construction of the sanitary sewer project with final City approval.
3. Erosion control BMP's were maintained after storm events, including replacement of silt fences and exclusion zone fence. On-going maintenance continues.
4. Built new haul road from central gate area in anticipation of BNSF excavation.
5. Continued weekly site-inspection reports (see attached).
6. Maintained clean work area and road.
7. Remedial Action activities continued.
8. Training activities include the following:
 - Site Safety Orientations (Clean Zone) was held for personnel of the following companies:
 - i. (1) J.R. Hayes & Sons, Inc. worker
 - ii. (1) Gibson Trucking worker
 - iii. (3) Parametrix workers
 - iv. (41) Shoreline Armoring bidders
 - v. (5) Santa Trucking workers
 - vi. (3) Cameron Bulldozing workers
 - vii. (2) Altus workers
 - viii. (1) R.C.D. Trucking worker
 - ix. (1) J.B.M. Enterprises worker
 - x. (1) T&T Trucking worker
 - xi. (1) United Rentals worker
 - xii. (1) PSC worker
 - xiii. (1) Thunderbird Trucking worker
 - xiv. (1) Sea Bright worker
 - xv. (3) Brundage & Bone workers
 - xvi. (1) Rodarte Construction worker
 - xvii. (1) Infinity Construction worker
 - Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:
 - i. (1) EQM/Q2 worker
 - HAZWOPER Basic training was verified or completed by personnel of the following companies:
 - HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. (1) Point Ruston worker
 - Other relevant monitoring or training was verified or completed by personnel of the following companies:

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Asarco Tacoma Smelter Site

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

In addition to the North and South Outfalls, Point Ruston monitors an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Outfall samples were collected in November in lieu of October. Samples results for November 2010 are attached.

2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 117 gallons per day on the LCRS. Shipment of 3,685 gallons occurred on November 22. Information on the hauling company was provided to EPA/CH2MHill.
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston has suspended perimeter air monitoring during wet weather events that cause wet site conditions. Perimeter air monitoring was conducted on November 12, 15, 16, 17 and 29. It was not conducted on the remaining days due to wet site conditions caused by the weather. Perimeter air monitoring will resume when the weather allows the site to dry out. Results for samples collected on October 4th, which were inadvertently omitted from October's report, are attached. Results for samples collected in November are pending laboratory analysis and will be submitted with the December 2010 monthly report.

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Operable Unit 02
Asarco Tacoma Smelter Site

4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in November.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
 - Point Ruston, through Hydrometrics, is working on responses to comments received for the Temporary Cap Plan, Sequence of Development and Occupancy Plan (SDOP), BNSF Excavation & RA Plan, and the Operations Maintenance, and Monitoring Plan. Hydrometrics submitted a draft temporary capping plan and specifications for discussion as a part of the SDOP. The discussion of this plan is on-going.
2. Remedial Action included the following tasks:
 - OCF construction activities:
 - Maintained leachate collection system.
 - Inspected storm drain system, vaults and cover.
 - Stack Hill construction activities:
 - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area.
 - Maintained site perimeter fence and signage at the north end of Stack Hill.
 - Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls; Installed silt fence along Gallagher Way
 - Continued site-wide dust monitoring and control through site and access road watering, as needed
 - Continued air-monitoring program per CH&SP

D. *Actions scheduled for the next six weeks.*

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Asarco Tacoma Smelter Site

1. Continue construction of public infrastructure. The sanitary sewer project was completed, tested and submitted for acceptance to the City of Tacoma, and Town of Ruston. Final LID formation is underway, with water and power scheduled as next phases.
2. Work on CH&SP air monitoring plan submittal to address recent EPA comments.
3. The deliverables specified in the BN Remedial Action Plan have been delivered to EPA for review. Upon approval of the Excavation and RA Plan excavation is scheduled to begin early next year.
4. Obtain final approvals from the Town of Ruston and the City of Tacoma for the road portion of the Master Infrastructure/LID project. The items remaining are resolution of the City's concerns relative to Bore Hole 3 and the signing of mylars.
5. Continue to work on response to address EPA comments regarding Occupancy Plan Development, and submit a proposal for a Temporary Cap in compliance with the Consent Decree.
6. Discuss Monitoring Wells and overall CH&SP monitoring plan for Site
7. Continue to work on response to EPA comments on the Operation, Maintenance and Monitoring Plan
8. Continue to work on response to EPA comments regarding the Point Ruston CC&Rs
9. Complete the ASARCO Dock Removal Project by DNR's contractor..
10. Begin shoreline armoring project through DNR.

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities (not conducted during wet weather conditions when no work is underway.)

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill construction activities:

- a. Erosion controls and site maintenance
- b. Continue home construction

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Asarco Tacoma Smelter Site

Site-wide construction activities:

- a. Continue surface water controls
- b. Maintain roads and stockpiles onsite
- c. Maintain erosion controls
- d. Construction activities for mass grading and Master Infrastructure

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston on work associated with the Master Infrastructure CMP and Phase I CMP; LID processes are ongoing.
2. Point Ruston is coordinating with BNSF to secure a quit claim deed for the area adjacent to Ruston Way; Point Ruston submitted EPA completion letter for SAP, and the second closing is pending.

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010. EPA and Point Ruston continue discussions regarding a proposed schedule modification.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
2. Point Ruston continues to work with MetroParks to incorporate the capping component into the Peninsula Park design. Point Ruston has responded to Metro Parks draft engineering analysis for the Peninsula Park site.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.

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Operable Unit 02

Asarco Tacoma Smelter Site

4. Point Ruston has been actively working with the Washington Dept. of Natural Resources on the Asarco docks demolition project. The 3 docks are currently being removed, with sediment capping work currently being completed. The project is scheduled to be completed in early December. DNR has opened its bid for the shoreline armoring portion of the project, per the EPA approved design. This shoreline armoring work is scheduled to occur through the end of the fish window, this season.



Weekly Site Inspection Report No. 2010-1031
Week of 10/31 - 11/6, 2010 Inspector TIM RUSTER
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
51st Street	G	F	P	Y	N	
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	MODIFIED
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	(G)	F	P	Y	(N)	TOWN DEALING W/ LEAVES IN GUTTER.
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	G	(F)	P	(Y)	N	HEAVY RAINS 11/1/10 REVEALED 5-6
Waddles	G	F	P	Y	N	LOCATIONS WHERE BERMS NEED WORK.
Silt Fence	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	WET CONDITIONS
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	

Weekly Site Inspection Report No. 2010-1031
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Docks:						
Barriers	(G)	F	P	Y	(N)	Dock Demo IN PROGRESS
Signs	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	F	(P)	(Y)	N	
	G	F	P	Y	N	
Health & Safety Plans:						
Site Superintendant	G	(F)	P	(Y)	N	REVISIONING COMMENTS TO V.5
Construction Super.	G	(F)	P	(Y)	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: THE COOLING POND GATE WAS WIDENED TO ALLOW ACCESS FOR CONCRETE TRUCKS TO FACILITATE SEWER ABANDONMENT RELATED TO LID ACTIVITIES.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 10/31	46/58	SSW WIND 7 MPH/GUST 9 MPH, PRECIP. EARLY MORN. 0.55"
Monday 11/1	49/57	SSW WIND 5 MPH/GUST 8 MPH, PRECIP. MORN. 1.50" TILL EVE
Tuesday 2	49/59	S WIND 5 MPH/GUST 8 MPH, NO PRECIPITATION
Wednesday 3	49/60	NE WIND 4 MPH/GUST 8 MPH, NO PRECIPITATION
Thursday 4	46/66	S WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Friday 5	48/50	NNE WIND 2 MPH/GUST 9 MPH, PRECIP. late EVE 0.2"
Saturday 6	48/53	S WIND 1 MPH/GUST 11 MPH, PRECIP. SCATTERED 0.06"

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/8/10

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010-1107
Week of 11/7 – 11/13, 2010 Inspector Tim Rusher
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	Sewer abandonment work in progress. cleaning as needed
51 st & Gallagher	(G)	F	P	Y	(N)	Sewer abandonment work in progress. cleaning as needed
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						See Notes
Berms	G	(F)	P	(Y)	N	Need to grade swale & berm at N. end (Contain storm run-off)
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						Wet soil conditions
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	Maintaining outer Exclusion perimeter (preventing access to inner clean areas)
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	(G)	F	P	Y	(N)	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2010-1107
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						Preparing response to comments
Site Superintendent	G	(F)	P	(Y)	N	
Construction Super.	G	(F)	P	(Y)	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: BMPs - During Heavy Rain events surface water flows across part of clean haul road between the N. Outfall building and Yacht Club road. Barricaded access until corrective measures can be taken.
Docks – Dock demolition is in progress. Category removed from Weekly Site Inspection Report due to lack of need to maintain signs & barriers.
Air Monitoring – Category added to Weekly Site Inspection Report to track air monitoring & related work activity.

Air Monitoring:

Day of Week	HI-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 7	N	N	No RA activity. Wet Conditions.
Mon 8	N	N	No RA activity. Wet Conditions.
Tue 9	N	N	No RA activity. Wet Conditions.
Wed 10	N	N	No RA activity. Wet Conditions.
Thu 11	N	N	No RA activity. Wet Conditions.
Fri 12	Y	N	EQM/Q2 capping Exclusion Zone next to USACE tier 3 pile to load trucks. Excavator 2-4" RipRap
Sat 13	N	N	No RA activity. Wet Conditions.

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 7	44°/57°	SSW winds 7mph/gust 11mph; Precipitation (early morning) 0.08"
Mon 8	41°/51°	S winds 7mph/gust 7mph, No Precipitation
Tue 9	40°/46°	S winds 2mph/gust 4mph, Precipitation (noon & evening) 0.64"
Wed 10	38°/50°	SSW winds 2mph/gust 6mph, No Precipitation
Thu 11	37°/51°	SSW winds 5mph/gust 10mph, Precipitation (afternoon) 0.08"
Fri 12	39°/51°	S winds 4mph/gust 10mph, No Precipitation
Sat 13	43°/49°	S winds 3mph/gust 8mph, No Precipitation

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/15/2010

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010-1114
Week of 11/14 – 11/20, 2010 Inspector Tim Rusher
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	11/18 – Lock Missing. Replaced & changed combos
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	Sewer abandonment completed. Cleaned as needed. Pot hole filled 11/19
51 st & Gallagher	(G)	F	P	Y	(N)	Sewer abandonment completed. Cleaned as needed.
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						See Notes
Berms	G	(F)	P	(Y)	N	Need to grade swale & berm at N. end (Contain storm run-off)
Waddles	(G)	F	P	Y	(N)	
Silt Fence	G	(F)	P	Y	(N)	Extensive repairs completed on 11/19 after wind storms.
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	USACE Tier 3 pile exported by EQM/Q2
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						Wet soil conditions
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	11/16 - Minimal water spray used during loading of Tier 3 soils.
(Other)	G	F	P	Y	N	
Fencing:						See Notes
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	Maintaining outer Exclusion perimeter (preventing access to inner clean areas)
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	(F)	P	(Y)	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2010-1114
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						Preparing response to comments
Site Superintendant	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: BMPs - During Heavy Rain events surface water flows across part of clean haul road between the N. Outfall building and Yacht Club road. Barricaded access until corrective measures can be taken.

Fencing – Zone fencing in middle of site will not be maintained unless work needs to be done in that area. Barriers are placed to prevent access to this area. Outer perimeter of Exclusion Zone will be maintained.

Docks – Dock demolition is in progress. Category removed from Weekly Site Inspection Report due to lack of need to maintain signs & barriers.

Air Monitoring:

Day of Week	HI-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 14	Y	N	EQM/Q2 exporting USACE Tier 3 soils. Excavator/Dump Trucks
Mon 15	Y	N	EQM/Q2 exporting USACE Tier 3 soils. Excavator/Dump Trucks
Tue 16	Y	N	EQM/Q2 exporting USACE Tier 3 soils. Excavator/Dump Trucks
Wed 17	N	N	No RA activity. Wet Conditions.
Thu 18	N	N	No RA activity. Wet Conditions.
Fri 19	N	N	No RA activity. Wet Conditions.
Sat 20	N	N	No RA activity. Wet Conditions.

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 14	47°/54°; SSW winds 3mph/gust 13mph; Precipitation (early morning) 0.08"	
Mon 15	50°/57°; SSW winds 9mph/gust 14mph; Precipitation (evening) 0.4"	
Tue 16	47°/54°; S winds 10mph/gust 4mph; No Precipitation	
Wed 17	41°/51°; SSW winds 8mph/gust 9mph; Precipitation (morning & noon) 0.68"	
Thu 18	37°/45°; SSW winds 7mph/gust 8mph; Precipitation (early morning & noon) 0.7"	
Fri 19	38°/47°; S winds 3mph/gust 10mph; No Precipitation	
Sat 20	36°/44°; NE winds 7mph/gust 9mph; No Precipitation	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/22/2010

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010-1121
Week of: 11/21 – 11/27, 2010 Inspector: Tim Rusher
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
South (electric)	(G)	F	P	Y	(N)	
Cooling Pond	(G)	F	P	Y	(N)	
Peninsula	(G)	F	P	Y	(N)	
54 th Street (electric)	(G)	F	P	Y	(N)	
Signage:						
Gates	(G)	F	P	Y	(N)	
Perimeter	(G)	F	P	Y	(N)	
Safety	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	(G)	F	P	Y	(N)	
51 st & Gallagher	G	(F)	P	Y	(N)	11/22 Road closed by Town Of Ruston due to snow
Stack Hill	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	(G)	F	P	Y	(N)	Need to grade swale & berm at N. end (Contain storm run-off)
Waddles	(G)	F	P	Y	(N)	
Silt Fence	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	(G)	F	P	Y	(N)	
Stack Hill	(G)	F	P	Y	(N)	
Stockpiles:						
Envirotac II	(G)	F	P	Y	(N)	
Plastic	(G)	F	P	Y	(N)	
Packed	(G)	F	P	Y	(N)	
Grass	(G)	F	P	Y	(N)	
Dust:						Wet soil conditions
Traffic areas	(G)	F	P	Y	(N)	
Excavation area	(G)	F	P	Y	(N)	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	(G)	F	P	Y	(N)	
Zone Separation	(G)	F	P	Y	(N)	Maintaining outer Exclusion perimeter (preventing access to inner clean areas)
(Other)	G	F	P	Y	N	
Cameras:						
Stack Hill	(G)	F	P	Y	(N)	
Lower Site	G	(F)	P	(Y)	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2010-1121
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						Preparing response to comments
Site Superintendant	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: OCF – 11/22 3,685 gallons leachate exported.

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 21	N	N	No RA activity. Wet Conditions (snow).
Mon 22	N	N	No RA activity. Wet/Frozen Conditions (snow).
Tue 23	N	N	No RA activity. Wet/Frozen Conditions (snow).
Wed 24	N	N	No RA activity. Wet/Frozen Conditions.
Thu 25	N	N	No RA activity. Wet Conditions. Holiday No Work
Fri 26	N	N	No RA activity. Wet Conditions. Holiday No Work
Sat 27	N	N	No RA activity. Wet Conditions.

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 21	33°/39°; NE winds 6mph/gust 8mph; Precipitation (SNOW)	
Mon 22	23°/36°; NNE winds 7mph/gust 12mph; No Precipitation	
Tue 23	17°/26°; N winds 7mph/gust 13mph; No Precipitation	
Wed 24	15°/29°; S winds 1mph/gust 4mph; No Precipitation	
Thu 25	29°/39°; S winds 1mph/gust 5mph; No Precipitation	
Fri 26	37°/49°; SSW winds 6mph/gust 10mph; Precipitation (morning & evening) 0.44"	
Sat 27	36°/44°; S winds 1mph/gust 5mph; No Precipitation	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 11/29/2010

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010 - 1128

Week of: 11/28 - 12/04, 2010

Inspector: Tim Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Gates:						
South (electric)	G	F	P	Y	N	Needs general maintenance (Lube/Alignment/Adjustment, etc)
Cooling Pond	G	F	P	Y	N	
Peninsula	G	F	P	Y	N	
54 th Street (electric)	G	F	P	Y	N	
Signage:						
Gates	G	F	P	Y	N	
Perimeter	G	F	P	Y	N	
Safety	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Public Streets:						
Ruston Way	G	F	P	Y	N	
51 st & Gallagher	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
BMPs:						
Berms	G	F	P	Y	N	Graded swale & berm at N. end to contain storm run-off.
Waddles	G	F	P	Y	N	
Silt Fence	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Strom drains clean:						
Lower Site	G	F	P	Y	N	
Stack Hill	G	F	P	Y	N	
Stockpiles:						
Envirotac II	G	F	P	Y	N	
Plastic	G	F	P	Y	N	
Packed	G	F	P	Y	N	
Grass	G	F	P	Y	N	
Dust:						Wet soil conditions
Traffic areas	G	F	P	Y	N	
Excavation area	G	F	P	Y	N	
(Other)	G	F	P	Y	N	
Fencing:						
Site Perimeter	G	F	P	Y	N	
Zone Separation	G	F	P	Y	N	Maintaining outer Exclusion perimeter (preventing access to inner clean areas)
(Other)	G	F	P	Y	N	See Notes
Cameras:						
Stack Hill	G	F	P	Y	N	
Lower Site	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Weekly Site Inspection Report No. 2010 - 1128
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?		COMMENTS/OBSERVATIONS
Health & Safety Plans:						Preparing response to comments
Site Superintendant	G	F	P	Y	N	
Construction Super.	G	F	P	Y	N	
Other	G	F	P	Y	N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: Fencing – 12/3 Workers on yacht club road working on wood panel fence between road and slag peninsula. Apparent wind damage as section of fence was down.

Air Monitoring:

Day of Week	Hi-Vol Y/N	Personal Y/N	Air Monitoring Notes
Sun 28	N		No RA activity. Wet Conditions.
Mon 29	Y		Build Swale & Berm at N end of site to contain storm water in Exclusion Zone. Excavator
Tue 30	N		No RA activity. Wet Conditions.
Wed 12/1	N		No RA activity. Wet Conditions.
Thu 2	Y		Finished Swale & Berm work at N end (clean up & stockpile spoils). Backhoe
Fri 3	N		No RA activity. Wet Conditions.
Sat 4	N		No RA activity. Wet Conditions.

WEATHER:

Day of Week	(LOW/HIGH)	Summary of Weather Conditions
Sun 28	37°/44°; South wind 1mph/Gust 5mph; No Precipitation	
Mon 29	36°/44°; South wind 1mph/Gust 6mph; Precipitation late evening 0.28"	
Tue 30	41°/49°; SSW wind 2mph/Gust 9mph; Precipitation Scattered 0.48"	
Wed 12/1	38°/47°; South wind 1mph/Gust 4mph; No Precipitation	
Thu 2	37°/44°; South wind 1mph/Gust 5mph; No Precipitation	
Fri 3	38°/46°; NE wind 3mph/Gust 8mph; No Precipitation	
Sat 4	32°/45°; NNE wind 6mph/Gust 10mph; No Precipitation	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 12/6/2010

SIGNED: 

TITLE / QUALIFICATION:

Construction Oversight / Health & Safety Officer

Generator's Waste Profile 362641-01

Page 1

Starts: 06 OCT 2009
Expires: 31 OCT 2011
Printed: 19 NOV 2010

Status: ACTIVE

Sales Rep 280 Erin Burraston
Acct Mngr 035 Brenda Smithson

A: GENERATOR (69125) SITE INFORMATION

Point Ruston, LLC
5005 Ruston Way
TACOMA, WA 98407
> Contact TIM RUSHER
TSDF Approval List No

B: CUSTOMER (31158) INFORMATION

EPA WAD010187896 GENERAL ENVIRONMENTAL MGMT.
NAICS 238910 Neshap N 7821 S 198TH STREET
KENT, WA 98032
Phone (253) 752-2185 x211

C: WASTE INFORMATION

On File > MSDS No Analysis Yes Sample No

Waste Name NON REGULATED WATER
Process LEACHATE WATER RECOVERY SYSTEM
Unused Commercial Product No Spill Residue No

D: PHYSICAL CHARACTERISTICS OF WASTE

Phys States	L-Liq	Top Color	WATER	Odor	None	PH Range	4-10
		Mid Color		Layers	Single Phased	Free Liq %	100
		Bot Color		Spec Grav	1.0	Flash Test	NT
		% Ash		BTU/Lbs		Flash Rnge	NO FLASH
		% Water		% Halogens		Viscosity	No
						Pumpable	No

E: CHEMICAL COMPOSITION OF WASTE

Information Provided By Generator

WATER (100 %)
PCB's NONE Cyanides NONE Phenolics NONE Sulfides NONE Dioxins NONE
TOC <1% VOC <500 PPM

F: METALS METHOD	Gen Knowledge	Cadmium	<1	Chromium	<5	Silver	<5	Zinc	0	
	Arsenic	<5	Merc TCLP	<0.2	Selenium	<1	Nickel	0	Copper	0
	Barium	<100	Lead	<5	Merc Tot	<260	Thallium	0	Chrome-6	

G: OTHER CHARACTERISTICS OF WASTE

Ign. Solid	No	Oxidizer	No	Explosive	No	Shock Sensitive	No	Cyanide Reactive	No	Sulfide Reactive	No
Explosive	N/A	Asbestos	N/A	Radioactive	No	Water Reactive	No	Reactive (Other)	No	Medical	No
Herbicides	NONE	Pesticides	NONE	Ammonia	NONE	Infectious	No				

H: EPA / STATE WASTE IDENTIFICATION

EPA Waste	No	State Waste	No	TSCA	No	Waste Water	No	Universal Waste	No
Form W113	Source G26	Origin 1	SubPart CC No	NESHAPS No	CERCLA No	Debris	No	Reg. Organics	No
EPA Codes									
State Codes									
UHC									
Categorical Discharge Standards	No								

DW/ELHW:

I: SHIPPING INFORMATION

Marine Pollutant No

Containers	TT Tank Trucks	Qty to Ship Now	1	Projected Volume	
DOT Descrip	NON HAZARDOUS LIQUID				

J: SPECIAL DISPOSAL INSTRUCTIONS

Waste Categs WATB05-1

COPY

Generator's Waste Profile 362641-01

Starts : 06 OCT 2009
Expires: 31 OCT 2011
Printed: 19 NOV 2010

Status : ACTIVE

Sales Rep 280 Erin Burraston
Acct Mngr 035 Brenda Smithson

GENERATOR CERTIFICATION

I hereby certify, as an authorized representative of the Generator named above, that PSC Environmental, LLC has been fully informed of all information known about this waste, including but not limited to, the waste's generation process, composition, and physical characteristics, necessary to identify proper treatment and disposal of waste and this information is true and accurate. If this is an existing profile which is being renewed, I hereby certify that there have been no changes in this waste, chemical, physical, or regulatory designation since full characterization by sample testing.

Signature

Printed Name

Title

Date

TIM RUSHER

CONSTRUCTION OVERSIGHT

11/19/10

PSC Environmental, LLC maintains the appropriate permits for and will accept the dangerous waste the generator is shipping as required by WAC 173-303-290(3).



SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

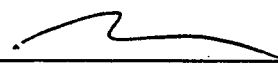
10/25/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Sample Matrix: Filter
Date Sampled: 10/04/2010
Date Received: 10/11/2010
Spectra Project: 2010100219

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
8226604	1	Arsenic	0.15	µg/m3	SW846 6010B
8226604	1	Lead	0.10	µg/m3	SW846 6010B
8226603	2	Arsenic	< 0.05	µg/m3	SW846 6010B
8226603	2	Lead	< 0.05	µg/m3	SW846 6010B
8226602	3	Arsenic	< 0.05	µg/m3	SW846 6010B
8226602	3	Lead	< 0.05	µg/m3	SW846 6010B

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a7/scj

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

201010219

Table 1. Summary of November 2010 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.082	16.40%	0.035	7.00%	0.028	5.50%
OSW2	0.046	9.15%	0.018	3.50%	0.003	0.50%
North Outfall	0.025	4.95%	0.028	5.50%	0.018	3.50%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

ANALYTICAL SUMMARY REPORT

December 10, 2010

Point Ruston LLC
 5219 N Shirley St Ste 100
 Ruston, WA 98407-6599

Workorder No.: B10120096

Project Name: Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 12 samples for Point Ruston LLC on 12/1/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10120096-001	TSM1110408, North	11/08/10 11:34	12/01/10	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B10120096-002	TSM1110108, South	11/08/10 11:19	12/01/10	Aqueous	Same As Above
B10120096-003	TSM1110208, OSW-2	11/08/10 11:20	12/01/10	Aqueous	Same As Above
B10120096-004	TSM1110415, North	11/15/10 12:15	12/01/10	Aqueous	Same As Above
B10120096-005	TSM1110115, South	11/15/10 11:52	12/01/10	Aqueous	Same As Above
B10120096-006	TSM1110215, OSW-2	11/15/10 11:53	12/01/10	Aqueous	Same As Above
B10120096-007	TSM1110422, North	11/22/10 10:04	12/01/10	Aqueous	Same As Above
B10120096-008	TSM1110122, South	11/22/10 10:12	12/01/10	Aqueous	Same As Above
B10120096-009	TSM1110222, OSW-2	11/22/10 10:13	12/01/10	Aqueous	Same As Above
B10120096-010	TSM1110429, North	11/29/10 8:49	12/01/10	Aqueous	Same As Above
B10120096-011	TSM1110129, South	11/29/10 9:20	12/01/10	Aqueous	Same As Above
B10120096-012	TSM1110229, OSW-2	11/29/10 9:22	12/01/10	Aqueous	Same As Above

This report was prepared by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

Cindy Rohrer
 Inorganic Department Manager

Digitally signed by
 Cindy Rohrer

Date: 2010.12.10 16:33:47 -07:00

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-001
Client Sample ID: TSM1110408, North

Report Date: 12/10/10
Collection Date: 11/08/10 11:34
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.028	mg/L		0.005		E200.8	12/07/10 02:23 / tao
Copper	0.04	mg/L		0.01		E200.8	12/07/10 20:53 / tao
Zinc	0.01	mg/L		0.01		E200.8	12/07/10 02:23 / tao

Report
Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-002
Client Sample ID: TSM1110108, South

Report Date: 12/10/10
Collection Date: 11/08/10 11:19
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.099	mg/L		0.005		E200.8	12/07/10 02:44 / tao
Copper	0.05	mg/L		0.01		E200.8	12/07/10 21:14 / tao
Zinc	0.03	mg/L		0.01		E200.8	12/07/10 02:44 / tao

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-003
Client Sample ID TSM1110208, OSW-2

Report Date: 12/10/10
Collection Date: 11/08/10 11:20
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.062	mg/L		0.005		E200.8	12/07/10 02:48 / tao
Copper	0.03	mg/L		0.01		E200.8	12/07/10 21:18 / tao
Zinc	0.01	mg/L		0.01		E200.8	12/07/10 02:48 / tao

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-004
Client Sample ID TSM1110415, North

Report Date: 12/10/10
Collection Date: 11/15/10 12:15
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.025	mg/L		0.005		E200.8	12/07/10 02:52 / tao
Copper	0.02	mg/L		0.01		E200.8	12/07/10 21:22 / tao
Zinc	0.02	mg/L		0.01		E200.8	12/07/10 02:52 / tao

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-005
Client Sample ID: TSM1110115, South

Report Date: 12/10/10
Collection Date: 11/15/10 11:52
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.089	mg/L		0.005		E200.8	12/02/10 18:19 / jjw
Copper	0.03	mg/L		0.01		E200.8	12/02/10 18:19 / jjw
Zinc	0.02	mg/L		0.01		E200.8	12/02/10 18:19 / jjw

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-006
Client Sample ID: TSM1110215, OSW-2

Report Date: 12/10/10
Collection Date: 11/15/10 11:53
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.045	mg/L		0.005		E200.8	12/02/10 18:23 / jjw
Copper	0.02	mg/L		0.01		E200.8	12/02/10 18:23 / jjw
Zinc	ND	mg/L		0.01		E200.8	12/02/10 18:23 / jjw

Report
Definitions:

RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-007
Client Sample ID: TSM1110422, North

Report Date: 12/10/10
Collection Date: 11/22/10 10:04
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.024	mg/L		0.005		E200.8	12/07/10 02:56 / tao
Copper	0.03	mg/L		0.01		E200.8	12/07/10 21:27 / tao
Zinc	0.02	mg/L		0.01		E200.8	12/07/10 02:56 / tao

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-008
Client Sample ID: TSM1110122, South

Report Date: 12/10/10
Collection Date: 11/22/10 10:12
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.094	mg/L		0.005		E200.8	12/03/10 22:03 / tao
Copper	0.04	mg/L		0.01		E200.8	12/03/10 22:03 / tao
Zinc	0.03	mg/L		0.01		E200.8	12/03/10 22:03 / tao

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-009
Client Sample ID: TSM1110222, OSW-2

Report Date: 12/10/10
Collection Date: 11/22/10 10:13
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.044	mg/L		0.005		E200.8	12/02/10 18:27 / jjw
Copper	0.01	mg/L		0.01		E200.8	12/02/10 18:27 / jjw
Zinc	ND	mg/L		0.01		E200.8	12/02/10 18:27 / jjw

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-010
Client Sample ID: TSM1110429, North

Report Date: 12/10/10
Collection Date: 11/29/10 08:49
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.022	mg/L		0.005		E200.8	12/03/10 22:07 / tao
Copper	0.02	mg/L		0.01		E200.8	12/03/10 22:07 / tao
Zinc	0.02	mg/L		0.01		E200.8	12/03/10 22:07 / tao

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-011
Client Sample ID: TSM1110129, South

Report Date: 12/10/10
Collection Date: 11/29/10 09:20
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.046	mg/L		0.005		E200.8	12/02/10 18:31 / jjw
Copper	0.02	mg/L		0.01		E200.8	12/02/10 18:31 / jjw
Zinc	0.03	mg/L		0.01		E200.8	12/02/10 18:31 / jjw

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10120096-012
Client Sample ID: TSM1110229, OSW-2

Report Date: 12/10/10
Collection Date: 11/29/10 09:22
Date Received: 12/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.032	mg/L		0.005		E200.8	12/02/10 18:35 / jjw
Copper	0.01	mg/L		0.01		E200.8	12/02/10 18:35 / jjw
Zinc	ND	mg/L		0.01		E200.8	12/02/10 18:35 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples

Report Date: 12/10/10
Work Order: B10120096

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8					Analytical Run: ICPMS202-B_101202A				
Sample ID: QCS - 100607A,101012A, Initial Calibration Verification Standard					12/02/10 12:58				
Arsenic	0.0514	mg/L	0.0050	103	90	110			
Copper	0.0530	mg/L	0.010	106	90	110			
Zinc	0.0536	mg/L	0.010	107	90	110			
Method: E200.8					Batch: R157979				
Sample ID: LFB Laboratory Fortified Blank					Run: ICPMS202-B_101202A 12/02/10 12:20				
Arsenic	0.0516	mg/L	0.0050	103	85	115			
Copper	0.0557	mg/L	0.010	111	85	115			
Zinc	0.0557	mg/L	0.010	111	85	115			
Sample ID: LRB Method Blank					Run: ICPMS202-B_101202A 12/02/10 13:22				
Arsenic	0.0002	mg/L	3E-05						
Copper	ND	mg/L	8E-05						
Zinc	ND	mg/L	0.0001						
Sample ID: B10120090-001AMS Sample Matrix Spike					Run: ICPMS202-B_101202A 12/02/10 17:50				
Arsenic	0.0506	mg/L	0.0010	101	70	130			
Copper	0.0536	mg/L	0.010	103	70	130			
Zinc	0.0568	mg/L	0.010	104	70	130			
Sample ID: B10120090-001AMSD Sample Matrix Spike Duplicate					Run: ICPMS202-B_101202A 12/02/10 17:54				
Arsenic	0.0494	mg/L	0.0010	98	70	130	2.4	20	
Copper	0.0523	mg/L	0.010	100	70	130	2.4	20	
Zinc	0.0555	mg/L	0.010	102	70	130	2.5	20	
Sample ID: B10120122-001BMS Sample Matrix Spike					Run: ICPMS202-B_101202A 12/02/10 19:20				
Arsenic	0.0542	mg/L	0.0010	107	70	130			
Copper	0.0603	mg/L	0.010	94	70	130			
Zinc	0.377	mg/L	0.010		70	130			A
Sample ID: B10120122-001BMDS Sample Matrix Spike Duplicate					Run: ICPMS202-B_101202A 12/02/10 19:24				
Arsenic	0.0542	mg/L	0.0010	107	70	130	0.0	20	
Copper	0.0617	mg/L	0.010	96	70	130	2.2	20	
Zinc	0.384	mg/L	0.010		70	130	1.7	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 12/10/10

Project: Tacoma Smelter Outfall Samples

Work Order: B10120096

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8					Analytical Run: ICPMS202-B_101203B				
Sample ID: QCS - 100607A,101012A, Initial Calibration Verification Standard					12/03/10 20:32				
Arsenic	0.0494	mg/L	0.0050	99	90	110			
Copper	0.0516	mg/L	0.010	103	90	110			
Zinc	0.0501	mg/L	0.010	100	90	110			
Method: E200.8					Batch: 50799				
Sample ID: MB-50799					Run: ICPMS202-B_101203B				
Method Blank					12/03/10 21:55				
Arsenic	ND	mg/L	5E-05						
Copper	8E-05	mg/L	3E-05						
Zinc	0.003	mg/L	0.0001						
Sample ID: LCS-50799					Run: ICPMS202-B_101203B				
Laboratory Control Sample					12/03/10 23:01				
Arsenic	0.500	mg/L	0.0050	100	85	115			
Copper	0.499	mg/L	0.010	100	85	115			
Zinc	0.513	mg/L	0.010	102	85	115			
Sample ID: B10120123-001AMS3					Run: ICPMS202-B_101203B				
Sample Matrix Spike					12/03/10 23:04				
Arsenic	0.477	mg/L	0.0050	95	70	130			
Copper	0.487	mg/L	0.010	93	70	130			
Zinc	0.484	mg/L	0.010	95	70	130			
Sample ID: B10120123-001AMS3D					Run: ICPMS202-B_101203B				
Sample Matrix Spike Duplicate					12/03/10 23:07				
Arsenic	0.492	mg/L	0.0050	98	70	130	3.0	20	
Copper	0.499	mg/L	0.010	96	70	130	2.5	20	
Zinc	0.496	mg/L	0.010	98	70	130	2.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples

Report Date: 12/10/10
Work Order: B10120096

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8					Analytical Run: ICPMS202-B_101206A				
Sample ID: QCS - 100607A,101012A, Initial Calibration Verification Standard					12/07/10 00:11				
Arsenic	0.0476	mg/L	0.0050	95	90	110			
Zinc	0.0495	mg/L	0.010	99	90	110			
Method: E200.8					Batch: 50805				
Sample ID: MB-50805 Method Blank					Run: ICPMS202-B_101206A 12/07/10 02:15				
Arsenic	0.0002	mg/L	5E-05						
Copper	0.0001	mg/L	3E-05						
Zinc	ND	mg/L	0.0001						
Sample ID: LCS-50805 Laboratory Control Sample					Run: ICPMS202-B_101206A 12/07/10 03:01				
Arsenic	0.479	mg/L	0.0050	96	85	115			
Copper	0.491	mg/L	0.010	98	85	115			
Zinc	0.494	mg/L	0.010	99	85	115			
Sample ID: B10120070-001AMS3 Sample Matrix Spike					Run: ICPMS202-B_101206A 12/07/10 03:04				
Arsenic	92.8	mg/L	0.0050		70	130			A
Copper	17100	mg/L	0.010		70	130			A
Zinc	9.49	mg/L	0.010	106	70	130			
Sample ID: B10120070-001AMSD3 Sample Matrix Spike Duplicate					Run: ICPMS202-B_101206A 12/07/10 03:07				
Arsenic	88.6	mg/L	0.0050		70	130	4.7	20	A
Copper	16200	mg/L	0.010		70	130	5.4	20	A
Zinc	9.32	mg/L	0.010	103	70	130	1.8	20	
Method: E200.8					Analytical Run: ICPMS202-B_101207A				
Sample ID: QCS - 100607A,101012A, Initial Calibration Verification Standard					12/07/10 17:43				
Copper	0.0513	mg/L	0.010	103	90	110			
Method: E200.8					Batch: 50805				
Sample ID: MB-50805 Method Blank					Run: ICPMS202-B_101207A 12/07/10 20:45				
Arsenic	0.0003	mg/L	5E-05						
Copper	0.002	mg/L	3E-05						
Zinc	0.003	mg/L	0.0001						

Qualifiers:

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Workorder Receipt Checklist



B10120096

Point Ruston LLC

Login completed by: Darwin C. Miller

Date Received: 12/1/2010

Reviewed by: BL2000\kmcDonald

Received by: akl

Reviewed Date: 12/2/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	9.8°C On Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

NOVEMBER

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS	
TACOMA SMELTER		OUTFALL SAMPLES		AS, CU, ZN			
SAMPLERS: (Signature)		Jimmie Runk		R			
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
11/8/10	NORTH	11:34	✓		TSM1110408	1	✓
11/8/10	SOUTH	11:19	✓		TSM1110108	1	✓
11/8/10	OSW-2	11:20	✓		TSM1110208	1	✓
11/15/10	NORTH	12:15	✓		TSM1110415	1	✓
11/15/10	SOUTH	11:52	✓		TSM1110115	1	✓
11/15/10	OSW-2	11:53	✓		TSM1110215	1	✓
11/22/10	NORTH	10:04	✓		TSM1110422	1	✓
11/22/10	SOUTH	10:12	✓		TSM1110122	1	✓
11/22/10	OSW-2	10:13	✓		TSM1110222	1	✓
11/29/10	NORTH	8:49	✓		TSM1110429	1	✓
11/29/10	SOUTH	9:20	✓		TSM1110129	1	✓
11/29/10	OSW-2	9:22	✓		TSM1110229	1	✓
						THANK YOU	
Relinquished (Signature)						Date/Time	
Jimmie Runk						11/30/10 12:00	
Received by: (Signature)						Lab	
TIM R						ENERGY	
Relinquished (Signature)						Shipped via: FedEx, UPS or Other	
TIM R						Air Bill #	
Relinquished (Signature)						Remarks	
Date/Time						Enclosed:	
11/30/10 FedEx						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Received for Laboratory by: (Signature)						Split Samples:	
						<input type="checkbox"/> Accepted <input type="checkbox"/> Declined	
						Signature	

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9.8' on 11L
Fed EX EXP
SEALS ON DO HUGS
ARC'd 12/1/10 1100